

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Yasuo KOBAYASHI et al. ) Atty. Docket: ASAIN 0106  
Serial No. (Not Yet Assigned) )  
Filed: Herewith )  
For: ELECTROMAGNETIC )  
CONNECTING DEVICE FOR )  
HIGH VOLTAGE AND LARGE ) Date: February 19, 2002  
CURRENT )

**PRELIMINARY AMENDMENT (A)**

**BOX: Patent Application**  
Commissioner for Patents  
Washington, D. C. 20231

Sir:

Kindly amend the above-captioned application as follows:

**IN THE SPECIFICATION:**

At page 17, replace the section of the specification entitled "ABSTRACT" with the following:

A primary winding 12 connected to a high-voltage, a large-current power supply 1, a secondary winding 14 connected to an electromagnetic forming coil 2, and a magnetic core 16 for guiding the magnetic flux produced by the primary winding. The magnetic core 16 is composed of a primary core 16a on which the primary winding is wound and a secondary core 16b on which the secondary winding is wound. The primary core and the secondary core are magnetically connected in contact or in close proximity. The primary core and the secondary core are separated from each other when the connector is disconnected. Thus, current pulses at a high voltage (for instance, 10 kV) with a large current (for example, 100 kA or more) and a narrow pulse width (e.g., 30  $\mu$ sec or less) can be efficiently transmitted, and the connector easily attached and removed.

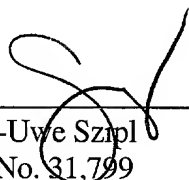
**REMARKS**

With the above amendments, the Abstract has been amended so as to comply with 37 C.F.R. 1.72. No new matter has been added. For the convenience of the Examiner, a marked-up version showing the changes made to the Abstract is attached.

Questions are welcomed by the below-signed attorney for applicants.

Respectfully submitted,

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## VERSION WITH MARKINGS TO SHOW CHANGES MADE

### **In the Abstract:**

~~The major components are a~~ A primary winding 12 connected to a high-voltage, a large-current power supply 1, a secondary winding 14 connected to an electromagnetic forming coil 2, and a magnetic core 16 for guiding the magnetic flux produced by the primary winding. The magnetic core 16 is composed of a primary core 16a on which the primary winding is wound and a secondary core 16b on which the secondary winding is wound. The primary core and the secondary core are magnetically connected ~~together by putting them in contact or in close proximity. And~~ The primary core and the secondary core are separated separated from each other when the connector is disconnected. Thus, current pulses at a high voltage (for instance, 10 kV) with a large current (for example, 100 kA or more) and a narrow pulse width (e.g., 30  $\mu$ sec or less) can be efficiently transmitted, and the connector ~~can be~~ easily attached and removed.